STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

INTER-OFFICE CORRESPONDENCE

DATE: September 19, 1973

MEMO TO: Division of Water Pollution Control - Surveillance Section

FROM: Calvin Locker, EPS, Wabash Sub-Unit, Surveillance Section, DWPC CL

SUBJECT: CRAWFORD COUNTY - Briggs Manufacturing

On the above date, this writer collected a composited sample of the effluent from Briggs' settling tanks. They have recently changed types of glaze materials in an attempt to eliminate zinc from their discharge and requested that such a sample be collected to determine if their actions were successful. During the visit, Mr. John Moore, Manager of Engineering, and Mr. Jim Thorne, Ceramic Engineer, were interviewed.

Briggs discharge approximately 50,000 gallons of treated effluent each day, in a batch dumping that takes about 4 hours. During the subject visit, this writer collected a portion of the composite sample each 15 minutes, during the 4-hour period of discharge. This sample was then split with Briggs so that we could check our results. Briggs' laboratory analyses indicated the level of zinc to be 0.1 mg/1. The Champaign laboratory got a result of 0.15 mg/1. Both of these figures bear out Briggs' assertion that they have essentially eliminated the zinc in their effluent except for possible trace amounts. Based on these results, it appears that they should easily meet the 1.0 mg/1. level that is required by the Illinois Water Pollution Regulations.

EVERY INTER-OFFICE LETTER SHOULD HAVE ONLY ONE SUBJECT.
ALL LETTERS TO BE SIGNED . . . NO SALUTATION OR COMPLIMENTARY CLOSING NECESSARY.

The presence of zinc in their effluent and sludge disposal were the two main stumbling blocks that were preventing Briggs from obtaining an operating permit. Sludge disposal still remains a problem. According to the Division of Land Pollution Control, the three closest landfills that were permitted to accept the sludge from Briggs were Olney, which is 45 miles away; Flora, 65 miles away; and Mattoon, which is 80 miles away. Briggs checked with each of the landfills and none were willing to take their sludge.

The Crawford County Disposal (landfill), owned by Mr. Marvin Wilder, applied for a supplemental permit to handle the semi-liquid sludge from both Briggs and Marathon Oil. The application was sent back for additional information; i.e., type of waste, amount, soil data, etc. According to a representative of the Division of Land Pollution Control, if Mr. Wilder submits the necessary information, it is quite likely that the landfill will be granted a supplemental permit to handle the sludge, although the permit will be heavily conditioned. Apparently, the Crawford County Disposal has an operating permit from the Agency but has not met all of its conditions.

The above information was passed on to John Moore of Briggs, who indicated that they would encourage the landfill to submit the necessary information to DLPC Permit Section. It appears that Briggs is very anxious to obtain an operating permit. Mr. Moore told this writer that the sludge disposal problem was the last obstacle and as soon as they get it worked out, they will have their consulting engineer resubmit their application.

CL:bh
10/5/73
cc: - K. L. Baumann, Supervisor, Ohio Basin Unit, Surveillance Section, DWPC
- DWPC/Permits

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY--DIVISION OF WATER POLLUTION CONTROL

SPECIAL ANALYSIS FORM

Time Collected 3:00 pm Sub-Basin Wabash

Date Collected 9/19/73 Collector Lorkpr

Facility Name: BRIGGS MFG Facility Number: 2147 File Town Johnson

Stream Name(s) Wabash - Sugar Creek Stream Code: BF

Source of Sample: (Exact Location)

4 hour composite of effluent

Physical Observations, Remarks: Clear

Flow	Field Dissolved Oxygen	Field pH	Field Temp.

_____ Arsenic	_____ Coliform/100ml	_____ BOD
_____ Barium	_____ Fecal Coliform 100 ml	_____ COD
_____ Boron	_____ Fecal Strep 100 ml	_____ TS/EC
_____ Cadmium	_____ Algae (Total) /ml	_____ Susp.Solids
_____ Copper	_____ Ammonia (N)	_____ Vol.Susp.Solids
_____ Chromium (tri)	_____ Organic Nitrogen (N)	_____ pH (units)
_____ Chromium (hex)	_____ Nitrate + Nitrite(N)	_____ Turbidity (JTU)
_____ Iron (Total)	_____ Phosphorus (P)	_____ Hardness
_____ Iron (Dissolved)	_____ Chloride	_____ Alkalinity
_____ Lead	_____ Fluoride	_____ Total Acidity
_____ Manganese	_____ Sulfate	_____ Free Acidity
_____ Mercury (ppb)	_____ Cyanide	_____ Oil
_____ Nickel	_____ MBAS	_____ Other (Specify)
_____ Selenium	_____ Phenol (ppb)	
_____ Silver		
0.15 Zinc		

Results in mg/l unless otherwise noted.

Transported by: CL

Received by: _____

Transported by: _____

Received by: _____

FOR LAB USE ONLY

Lab Number: P102886 Rec'd by: Longfurth

Date sample rec'd: SEP 19 1973 Time: 5:30

Date analysis completed: SEP 20 1973

Date results forwarded: SEP 21 1973

Total Tests requested: 1 Tests run: 1

Lab Section: Chem Supervisor: [signature]

3/73